Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/16/2021 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	121990	-3	4.26	121965	4.25
Blue	F	SSC	125000	122441	-3	4.56	122974	4.51
Blue	E	FITC	14284	13484	-6	4.71	377	14.71
Blue	D	PE	23919	23213	-3	4.63	552	12.00
Blue	B	PerCP-Cy5-5	31332	30403	-3	5.10	867	16.75
Blue	A	PE-Cy7	22272	21586	-4	6.76	443	33.70
Red	C	APC	47768	46836	-2	2.89	1613	11.84
Red	A	APC-Cy7	25313	24427	-4	3.33	690	12.78
Violet	B	V450	7085	6804	-4	4.54	474	12.32
Violet	A	V500	26969	25856	-5	4.13	887	9.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22909	5.21	594	5	N/A	N/A	Pass
Blue	F	SSC	54017	4.40	528	7	N/A	N/A	Pass
Blue	E	FITC	56	57.02	499	-2	0.0386	59	Pass
Blue	D	PE	106	42.07	497	0	0.3397	295	Pass
Blue	B	PerCP-Cy5-5	134	46.23	588	0	0.0164	79	Pass
Blue	A	PE-Cy7	73	87.21	635	0	0.0187	1	Pass
Red	C	APC	334	26.91	579	-1	0.0265	186	Pass
Red	A	APC-Cy7	127	37.42	553	-2	0.0061	1753	Pass
Violet	B	V450	81	47.97	450	-13	0.0455	1862	Pass
Violet	A	V500	105	35.38	461	-13	0.0230	1397	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.68	-31.24	1.20
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.20	13.60 - 20.40	N/A	N/A	29.48	29.92	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13151

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments